

Title (en)

Personal listening device having input applied to the housing to provide a desired function and method

Title (de)

Persönliche Hörvorrichtung mit auf das Gehäuse angewandter Eingabe zur Bereitstellung der gewünschten Funktion und Verfahren

Title (fr)

Dispositif d'écoute personnelle doté d'une entrée appliquée au boîtier afin de fournir une fonction désirée et procédé

Publication

**EP 2363784 A2 20110907 (EN)**

Application

**EP 11151736 A 20110121**

Priority

- US 30654410 P 20100221
- US 96300410 A 20101208

Abstract (en)

A personal listening device, such as an earbud or earphone, includes a housing, a speaker in the housing to provide sound output and a sensor to detect mechanical input applied to the housing, such as tapping or squeezing, to provide a desired signal and/or function response and method. The speaker may be used as the sensor along with a filter to sense the expected mechanical inputs while separating other sounds normally produced by the speaker.

IPC 8 full level

**G06F 3/01** (2006.01); **G06F 1/16** (2006.01)

CPC (source: EP US)

**G06F 1/1694** (2013.01 - EP US); **G06F 3/002** (2013.01 - EP US); **G06F 3/017** (2013.01 - EP US); **H04R 1/1016** (2013.01 - EP US); **H04R 5/033** (2013.01 - EP US); **G06F 2200/1636** (2013.01 - EP US)

Citation (applicant)

US 30654411 P

Cited by

EP3611612A1; EP3291573A1; JP2018042241A; KR20180027344A; DE102022203969A1; WO2018059725A1; US10798499B1; US10291975B2; US11647321B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2363784 A2 20110907**; **EP 2363784 A3 20160727**; US 2011206215 A1 20110825

DOCDB simple family (application)

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